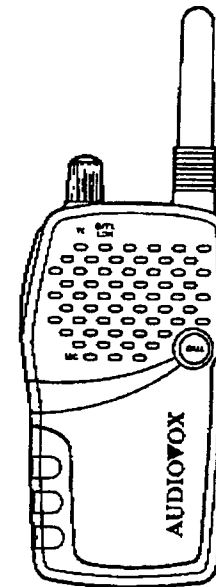


**OWNER'S MANUAL
MODEL : FR-100
TWO WAY FAMILY RADIO**




AUDIOVOX
CORPORATION
150 Marcus Blvd.
Hauppauge, NY 11788

Form No. 128-5376

**Customer Service
1-800-225-6074**

**CONGRATULATIONS ON YOUR SELECTION
OF THE FR-100 (FAMILY RADIO)**

It is one of the most sophisticated and reliable two-way
Family radios available.

**BEFORE OPERATING YOUR FR-100 (FAMILY RADIO)
READ THIS MANUAL CAREFULLY.**

FCC WARNING

Replacement or substitution of transistors, diodes or other parts of a unique nature, with parts other than those recommended by manufacturer, may cause violation of the technical regulations of Part 95 of FCC Rules, or violation of type acceptance requirements of Part 2 of the rules.

■ FEATURES

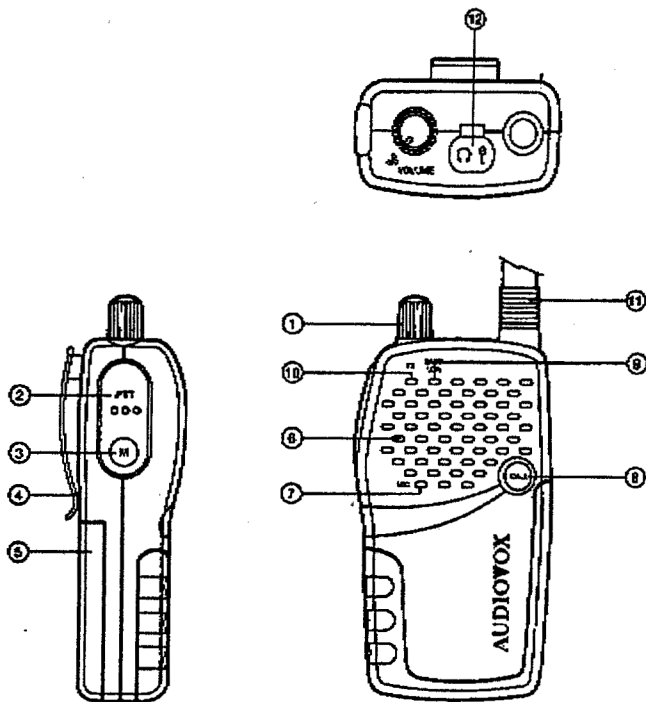
Your FR-100 Family Radio is a portable, easy-to-use, two-way radio that you can carry almost anywhere. It is skillfully constructed to give you reliable communication for many different applications. The FR-100 is ideal for use around the house, in your car or boat, on hunting and camping trips, on the ski slope, at the mall or at your business for security patrols or warehouse communications.

Advanced PLL circuitry achieves a new technique for generating all the required frequencies with fewer crystals. The result is much tighter frequency control and superior reliability.

■ PERFORMANCE

Your transceiver will achieve its maximum operating range when communicating with another transceiver in a flat open area with no trees or buildings obstructing its signal. Range may be up to two miles under such conditions. Obstacles, such as building, trees, or mountains will tend to reduce the transceiver's effective range.

■ FUNCTION AND LOCATION OF THE CONTROLS



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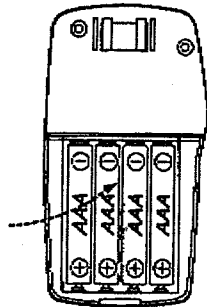
1. **POWER ON/OFF-VOLUME CONTROL** : Rotate clockwise to turn "ON" and increase listening volume level. Rotate counter-clockwise to decrease volume or turn the transceiver "OFF".
2. **PUSH-TO-TALK BUTTON** : Press to transmit, and release to receive.
3. **MONITOR (M) BUTTON** : Press to monitor channel activity.
4. **BELT CLIP**
5. **BATTERY COMPARTMENT**
6. **SPEAKER**
7. **MICROPHONE**
8. **CALL BUTTON** : Press and hold to send a ringing sound to all radios turned to the same channel.
9. **BATT LOW LED** : Illuminates when battery charge is low.
10. **TX LED** : Illuminates while radio is transmitting.
11. **ANTENNA**
- 12-1. **MICROPHONE JACK** : For use with an external microphone.
- 12-2. **SPEAKER JACK** : For use with an external speaker.

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■ BATTERY INSTALLATION

Your radio requires four "AAA" alkaline cells or four rechargeable "AAA" nickel cadmium cells. Alkaline batteries will provide your transceiver's best range and performance. Remove the battery cover by releasing the clasp at the bottom of the unit and lifting the cover from the battery compartment. Observe the polarity symbols inside the battery tray when installing the batteries.

CAUTION: Incorrect battery installation can damage the unit.



■ HOW TO OPERATE YOUR RADIO

TO RECEIVE

1. Turn the power on.
2. If the "Battery Low" indicator, is on charge or replace the batteries.
3. Adjust the volume control to the desirable listening level by pressing and holding the monitor button while turning the volume control knob.

TO TRANSMIT

1. Turn the power on .
2. If the "Battery Low" indicator is on, charge or replace the batteries.
3. To transmit, press the Push-to-Talk button. Speak slowly and clearly in a normal voice, approximately 2-3 inches from the microphone. A built-in modulation control circuit will automatically adjust the microphone input level. There's no need to speak loudly.
4. To receive, release the Push-to-Talk button

TO SET THE DESIRED CHANNEL

1. Remove the battery cover.
2. Remove the battery on the far right.
3. Below this battery is a bank of four Dip Switches.
4. Adjust the switches as per the chart on page 8.

NOTE: The up position is toward the top of the radio

| Channel # | Dip Switch | | | |
|-----------|------------|------|------|------|
| | 1 | 2 | 3 | 4 |
| 1 | Up | Up | Up | Up |
| 2 | Down | Up | Up | Up |
| 3 | Up | Down | Up | Up |
| 4 | Down | Down | Up | Up |
| 5 | Up | Up | Down | Up |
| 6 | Down | Up | Down | Up |
| 7 | Up | Down | Down | Up |
| 8 | Down | Down | Down | Up |
| 9 | Up | Up | Up | Down |
| 10 | Down | Up | Up | Down |
| 11 | Up | Down | Up | Down |
| 12 | Down | Down | Up | Down |
| 13 | Up | Up | Down | Down |
| 14* | Up | Down | Down | Down |
| 14* | Down | Down | Down | Down |
| 14* | Down | Up | Down | Down |

*Channel 14 will be selected with any of these three settings.

■ SPECIFICATIONS

Channels14
Output power.....500 mw ERP
Battery Life:
(Alkaline)30 Hours (1500mA)
(NiCd)13 Hours (600mA)
Power Source (Alkaline).....4.5V DC

Frequencies:

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|--------------|---------|--------------|
| 1 | 462.5825 MHz | 8 | 487.5625 MHz |
| 2 | 462.5875 MHz | 9 | 487.5875 MHz |
| 3 | 462.6125 MHz | 10 | 487.6125 MHz |
| 4 | 462.6375 MHz | 11 | 467.6375 MHz |
| 5 | 462.6325 MHz | 12 | 487.5825 MHz |
| 6 | 462.6675 MHz | 13 | 467.6875 MHz |
| 7 | 462.7125 MHz | 14 | 467.7125 MHz |

Specifications are typical; individual units might vary.

Specifications are subject to change and improvement without notice.

■ WARNING

Remove the batteries from the transceiver if it is not expected to be used for long periods. This will eliminate the possibility of chemicals leaking from the batteries and corroding the transceiver.

Avoid exposing the transceiver to water or extremes of temperature.

Do not use this device in or near a mining facility, which uses remotely triggered explosives or in areas labeled "Blasting Area". Premature or accidental detonation may result.

Do not use this device or change its batteries in potentially explosive atmospheres, as sparks in such areas could result in an explosion.

Turn your transceiver off wherever posted notices restrict the use of radios or cellular telephones. Facilities such as hospitals may use equipment that is sensitive to RF energy.

Turn your transceiver off on board aircraft when requested to do so.

Do not place your radio in front of a vehicle's airbag. If the airbag deploys, it could propel the transceiver like a projectile causing bodily injury.

FRS 90 DAY LIMITED WARRANTY

AUDIOVOX CORPORATION (the Company) warrants to the original retail purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 12 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the Company's option) without charge for parts and repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), specification of defect(s), transportation prepaid, to the warranty center at the address shown below.

(Warranty Continued)

This Warranty does not apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY, ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 30 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights any you may also have other rights which vary from state to state.

U.S.A. : AUDIOVOX CORPORATION, 150 MARCUS BLVD., HAUPPAUGE, NEW YORK
11788 • (516)231-6051
CANADA : CALL 1-800-645-4994 FOR LOCATION OF WARRANTY STATION SERVING
YOUR AREA.

Form. No. 128-4240D